

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

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16. (Cancelled)

App. S/N: 09/815,520
Filing Date: 03/23/2001

AMENDMENT AND RESPONSE
TO NON-FINAL OFFICE ACTION

Examiner Philip B. Tran
Group Art Unit: 2155

17. (Cancelled)

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41. (Previously Presented): A communications system for communicating between an information provider and at least one client computer on a computer network, the system comprising:

a satellite receiver operating to receive download data from the information provider;

a plurality of client computers on a computer network each of said client computers

including first network hardware and first network software for communication with

the information provider; and

a server computer, including second network hardware and second network software for

communications with the computer network, in electronic communication with said

satellite receiver and in electronic communication with the computer network, said

server computer having satellite receiver interface software installed thereon

operating to receive the download data from said satellite receiver and operating to

route the download data to said plurality of client computers for use by the

application software on each of said client computers, via the computer network, in

order to provide the advantages of satellite communications for high volume download data packets; and said server computer network being programmed to route the download data to client computers on the computer network irrespective of the client computer's operating systems such that said server computer does not require the same operating system for each client computer of the plurality of client computers; and wherein said satellite receiver interface software further comprises the steps of: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete.

42. (Previously Presented): The communications system as defined in claim 41 wherein said computer network is a local area network.

43. (Previously Presented): The communications system as defined in claim 41 wherein said computer network is a wide area network.

44. (Previously Presented): The communications system as defined in claim 42 further comprising a storage medium wherein said server computer's routing of the download data includes storing the download data on said storage medium.

45. (Previously Presented): The communications system as defined in claim 44 wherein said storage medium is included in said server computer.

46. (Previously Presented): The communications as defined in claim 44 wherein said storage medium is an intermediate storage medium and wherein the download data is stored on said intermediate storage medium prior to receipt of the download data by said at least one of said plurality of client computers.

47. (Previously Presented): The communications system of claim 46 wherein said intermediate storage medium includes a cache.

48. (Previously Presented): The communications system of claim 42 wherein said server computer runs a server operating system.

49. (Previously Presented): The communications system of claim 42 wherein said server computer routes the download data using a standard local area network protocol.

50. (Previously Presented): The communications system as defined in claim 42 wherein said server computer operates to route the download data to a plurality of local area networks.

51. (Previously Presented): A server computer for communicating between a global communications network and at least one client computer on a computer network, the server computer comprising:

- network hardware for connecting said server computer to the computer network;
- communications hardware for enabling electronic communications with a satellite receiver operating to receive download data which is then sent to a client computer by the server computer via a computer network in order to provide the advantages of satellite communications for high volume download data packets;
- a processor; and
- a computer readable medium containing:

- network instructions for communications between said server computer and the computer network;
- satellite receiver interface software instructions for communications between said server computer and the satellite receiver;
- router instructions, said router instructions operating to receive download data from the global communications network and operating to route the download data to at least one client computer on the computer network irrespective of the client computer's operating systems such that said server computer does not require the same operating system for each client computer of the plurality of client computers, and wherein said

routing instructions further comprise: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete; and wherein said network instructions, said satellite instructions and said router instructions are executable by said processor.

52. (Previously Presented): The server computer as defined in claim 51 wherein said computer network is a local area network.

53. (Previously Presented): The server computer as defined in claim 51 wherein said computer network is a wide area network.

54. (Previously Presented): The server as defined in claim 52 further comprising a storage medium wherein said server computer's routing of the download data includes storing the download data on the storage medium.

55. (Previously Presented): The server computer as defined in claim 54 wherein said storage medium is included in said server computer.

56. (Previously Presented): The server computer as defined in claim 54 wherein said storage medium is an intermediate storage medium and wherein the download data is stored on said intermediate storage medium prior to receipt of the download data by said at least one client computer.

57. (Previously Presented): The server computer as defined in claim 56 wherein said intermediate storage medium includes a cache.

58. (Previously Presented): The server computer as defined in claim 52 wherein said server computer runs a server operating system.

59. (Previously Presented): The server computer as define din claim 52 wherein said server computer routes the download data using a standard local area network protocol.

60. (Previously Presented): The server computer as defined in claim 52 wherein said server computer operates to route the download data to a plurality of local area networks.

61. (Previously Presented): A method for providing access to a global communications network for at least one client computer on a computer network, which comprises:

receiving download data from a satellite receiver in electronic communication with a server computer, said server computer having satellite receiver interface software installed thereon and said satellite receiver operating to receive download data; and routing said received download data to at least one client computer via the computer network, in order to provide the advantages of satellite communications for high

volume download data packets, irrespective of the client computer's operating systems such that said server computer does not require the same operating system for each client computer of the plurality of client computers, wherein said routing further comprises: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete.

62. (Previously Presented): The method as defined in claim 61 wherein said computer network is a local area network.

63. (Previously Presented): The method as defined in claim 61 wherein said computer network is a wide area network.

64. (Previously Presented): The method as defined in claim 61 wherein the server computer further comprises a storage medium and wherein said server computer's routing of the download data includes storing the download data on said storage medium.

65. (Previously Presented): The method as defined in claim 64 wherein said storage medium is an intermediate storage medium and wherein the download data is stored on said

intermediate storage medium prior to receipt of the download data by said at least one client computer.

66. (Previously Presented): The method as defined in claim 65 wherein said intermediate storage medium includes a cache.

67. (Previously Presented): The method as defined in claim 61 wherein said server computer runs a server operating system.

68. (Previously Presented): The method as defined in claim 61 wherein said server computer routes the download data using a standard local area network protocol.

69. (Previously Presented): The method as defined in claim 61 wherein said server computer operates to route the download data to a plurality of computer networks.

70. (Previously Presented): A computer readable medium containing instructions for providing access to a global communications network for at least one client computer on a computer network, wherein the instructions comprise executable instructions for implementing a method comprising:

receiving download data from a satellite receiver in electronic communication with a server computer, said server computer having satellite receiver interface software installed thereon, and said satellite receiver operating to receive download data; and routing said received download data to at least one client computer via the computer network, in order to provide the advantages of satellite communications for high

volume download data packets, irrespective of the client computer's operating system such that said server computer does not require the same operating system for each client computer, wherein said routing further comprises: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete.

71. (Previously Presented): The computer-readable medium as defined in claim 70 wherein said computer network is a local area network.

72. (Previously Presented): The computer-readable medium as defined in claim 70 wherein said computer network is a wide area network.

73. (Previously Presented): The computer-readable medium as defined in claim 70 wherein the server computer further comprises a storage medium and wherein said server computer's routing of the download data includes storing the download data on said storage medium.

74. (Previously Presented): The computer-readable medium as defined in claim 73 wherein said storage medium is an intermediate storage medium and wherein the download data is

stored on said intermediate storage medium prior to receipt of the download data by said at least one client computer.

75. (Previously Presented): The computer-readable medium as defined in claim 74 wherein said intermediate storage medium includes a cache -

76. (Previously Presented): The computer-readable medium as defined in claim 70 wherein said server computer runs a server operating system.

77. (Previously Presented): The computer-readable medium as defined in claim 71 wherein said server computer routes the download data using a standard local area network protocol.

78. (Previously Presented): The computer-readable medium as defined in claim 70 wherein said server computer operates to route the download data to a plurality of computer networks.

79. (Previously Presented): A communications system for communicating between an information provider and a client computer, the system comprising:

- a satellite receiver operating to receive download data from the information provider;

- a client computer;

- a server computer in electronic communication with said satellite receiver and in

- electronic communication with said client computer, said server computer having

- satellite receiver interface software installed thereon operating to receive the

- download data from said satellite receiver and operating to route the download data

- to said client computer via a computer network in order to provide the advantages of

satellite communications for high volume download data packets, and wherein said satellite receiver interface software further comprises the steps of: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete.

80. (Previously Presented): The communications system as defined in claim 79 further comprising a storage medium wherein said server computer's routing of the download data includes storing the download data on said storage medium.

81. (Previously Presented): The communications system as defined in claim 80 wherein said storage medium is included in said server computer.

82. (Previously Presented): The communications system as defined in claim 80 wherein said storage medium is an intermediate storage medium and wherein the download data is stored on said intermediate storage medium prior to receipt of the download data by said client computer.

83. (Previously Presented): The communications system as defined in claim 82 wherein said intermediate storage medium includes a cache.

84. (Previously Presented): The communications system as defined in claim 79 wherein said server computer runs a server operating system.

85. (Previously Presented): The communications system as defined in claim 79 wherein said server computer routes the download data using a standard local area network protocol.

86. (Previously Presented): A server computer for communicating between a global communications network and a client computer, the server computer comprising:

first communications hardware for enabling electronic communications with the client computer, via a computer network in order to provide the advantages of satellite communications for high volume download data packets;

second communications hardware for enabling electronic communications between the server computer and a satellite receiver;

a processor; and

a computer readable medium containing:

communication instructions for communications between said server computer and the client computer;

satellite instructions, in the form of satellite receiver software, for communications between said server computer and the satellite receiver;

routing instructions operating to receive download data from the global

communications network and operating to route the download data to the client

computer, and wherein said routing instructions further comprise: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete; and wherein said communication instructions, said satellite instructions and said routing instructions are executable by said processor.

87. (Previously Presented): The server computer as defined in claim 86 further comprising a storage medium wherein said server computer's routing of the download data includes storing the download data on said storage medium.

88. (Previously Presented): The server computer as defined in claim 87 wherein said storage medium is included in said server computer.

89. (Previously Presented): The server computer as defined in claim 87 wherein said storage medium is an intermediate storage medium and wherein the download data is stored on said intermediate storage medium prior to receipt of the download data by said client computer.

90. (Previously Presented): The server computer as defined in claim 89 wherein said intermediate storage medium includes a cache.

91. (Previously Presented): The server computer as defined in claim 86 wherein said server computer runs a server operating system.

92. (Previously Presented): The server computer as defined in claim 86 wherein said server computer routes the download data using a standard local area network protocol.

93. (Previously Presented): A method for providing access to a global communications network for a client computer, which comprises:

receiving download data from a satellite receiver in electronic communication with a server computer, said server computer having satellite receiver interface software installed thereon; and

routing the download data from said satellite receiver to a client computer on a network, in order to provide the advantages of satellite communications for high volume download data packets, irrespective of the client computer's operating system such that said server computer does not require the same operating system for each client computer, wherein said routing further comprises: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-

file has been encountered; determining if a file within said packet is incomplete; and
if said file is not incomplete marking said file as complete.

94. (Previously Presented): The method as defined in claim 93 wherein the server computer further comprises a storage medium and wherein said server computer's routing of the download data includes storing the download data on said storage medium.

95. (Previously Presented): The method as defined in claim 94 wherein said storage medium is an intermediate storage medium and wherein the download data is stored on said intermediate storage medium prior to receipt of the download data by said client computer.

96. (Previously Presented): The method as defined in claim 95 wherein said intermediate storage medium includes a cache.

97. (Previously Presented): The method as defined in claim 93 wherein said server computer runs a server operating system.

98. (Previously Presented): The method as defined in claim 93 wherein said server computer routes the download data using a standard local area network protocol.

99. (Previously Presented): A computer-readable medium containing instructions for providing access to a global communications network for a client computer, wherein the instructions comprise executable instructions for implementing a method comprising:

receiving download data from a satellite receiver in electronic communication with a server computer, said server computer having satellite receiver interface software installed thereon, and said satellite receiver operating to receive download data; and routing said download data to a client computer on a network such that the server computer does not require the same operating system for each client computer, in order to provide the advantages of satellite communications for high volume download data packets, wherein said routing further comprises: setting up RAM adapters; establishing a timestamp for a received packet; testing whether said received packet is a package delivery or an Internet delivery; if said received packet is a package delivery, testing to determine if said packet will update a catalog, testing to determine if a site will be updated by said packet; determining whether an end-of-file has been encountered; determining if a file within said packet is incomplete; and if said file is not incomplete marking said file as complete.

100. (Previously Presented): The computer-readable medium as defined in claim 99 wherein the server computer further comprises a storage medium and wherein said server computer's routing of the download data includes storing the download data on said storage medium.

101. (Previously Presented): The computer-readable medium as defined in claim 100 wherein said storage medium is an intermediate storage medium and wherein the download data is

stored on said intermediate storage medium prior to receipt of the download data by said client computer.

102. (Previously Presented): The computer-readable medium as defined in claim 101 wherein said intermediate storage medium includes a cache.

103. (Previously Presented): The computer-readable medium as defined in claim 99 wherein said server computer runs a server operating system.

104. (Previously Presented): The computer-readable medium as defined in claim 99 wherein said server computer routes the download data using a standard local area network protocol .

105. (Cancelled)

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115. (Cancelled)

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Filing Date: 03/23/2001

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131. (Cancelled)